

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A coreless rubber crawler traveling device, comprising a tracker roller and an endless rubber elastic body, wherein an outer surface of the tracker roller comes into contact with and rolls on an inner periphery rolling contact surface of the rubber elastic body, and wherein the rubber elastic body comprises:

main cord rows embedded in the rubber elastic body along a longitudinal direction of the rubber elastic body;

rubber projections formed on an inner peripheral surface of the rubber elastic body at uniform pitches;

rubber lugs formed on an outer peripheral surface of the rubber elastic body;

wherein the tracker roller is provided at the side of a vehicle body in such a manner as to straddle the rubber projections at right and left sides in a widthwise direction thereof, and

wherein a contact area of the endless inner periphery rolling contact surface with the outer surface of the tracker roller in a fixed widthwise region on respective left and right sides of the tracker roller is in the range of 30% to 70% with respect to the area of the outer surface of the tracker roller,

wherein upper stage surfaces are formed at the central portion of the inner peripheral surface of the rubber elastic body, and lower stage surfaces are formed at outer sides of the inner peripheral surface of the rubber elastic body in the widthwise direction, and

wherein outer sides of the outer surface of the tracker roller extend over the lower stage surfaces.

2. (original): The coreless rubber crawler traveling device according to claim 1, wherein the contact area of the inner periphery rolling contact surface of the rubber elastic body with the outer surface of the tracker roller is in the range of 30% to 50% with respect to the outer surface area of the tracker roller.

3. (previously presented): The coreless rubber crawler traveling device according to claim 1, wherein the inner periphery rolling contact surface is provided by forming a stepped portion on the inner peripheral surface of the rubber elastic body, and the contact area thereof with respect to the outer surface of the tracker roller is made smaller.

4. (previously presented): The coreless rubber crawler traveling device according to claim 1, wherein an upper stage surface and a lower stage surface are provided by forming stepped portions on the inner peripheral surface of the rubber elastic body, and the inner periphery rolling contact surface is constituted by the upper stage surface.

5. (previously presented): The coreless rubber crawler traveling device according to claim 1, wherein stepped portions are formed at outer sides of the inner peripheral surface of the rubber elastic body in the widthwise direction thereof.

6. (canceled).

7. (previously presented): The coreless rubber crawler traveling device according to claim 11, wherein a stepped portion is formed on the outer surface of the tracker roller so as to form the at least two different diameters of the tracker roller, thereby causing the contact area to become smaller.

8. (original): The coreless rubber crawler traveling device according to claim 3, wherein a central portion of each of the rubber lugs is disposed so as to correspond to the stepped portion.

9. (previously presented): The coreless rubber crawler traveling device according to claim 1, wherein the rubber lugs are each entirely formed so as to have a distorted H-shaped configuration in plan view.

10. (canceled).

11. (currently amended): A coreless rubber crawler traveling device, comprising a tracker roller and an endless rubber elastic body, wherein an outer surface of the tracker roller comes into contact with and rolls on an inner periphery rolling contact surface of the rubber elastic body, and wherein the rubber elastic body comprises:

main cord rows embedded in the rubber elastic body along a longitudinal direction of the rubber elastic body;

rubber projections formed on an inner peripheral surface of the rubber elastic body at uniform pitches;

rubber lugs formed on an outer peripheral surface of the rubber elastic body;

wherein the tracker roller is provided at the side of a vehicle body in such a manner as to straddle the rubber projections at right and left sides in a widthwise direction thereof, and

wherein the tracker roller has at least two different diameters at both right and left sides in the widthwise direction of the rubber projections, the two different diameters making up the outer surface of the tracker roller such that a contact area of the endless inner periphery rolling contact surface with the outer surface of the tracker roller in a fixed widthwise region on respective left and right sides of the tracker roller is in the range of 30% to 70% with respect to the area of the outer surface of the tracker roller.